

## MEASURING COUPLING CHARACTERISTICS OF OPTICAL DEVICES

### Abstract of the Disclosure

The coupling properties of an optical device having at least two inputs and two outputs may be more accurately measured by simultaneously measuring the optical transmission through all outputs for light coupled to each input to the device. An optical switch may be used to selectively couple the light to each of the device inputs. This removes the need to remove the light source from one input and to reconnect it to another input. By proper processing of the measured optical transmission corresponding to each input, an accurate and precise value for the transfer function, including polarization properties, of the device may be obtained independent of the insertion losses in the system.